PTO/SB/05 (06-03)
Approved for use through 07/31/2003. CMB 0651-0032
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UTILITY	First Inve	ntor	Toral	fH.S	trand			
PATENT APPLICATION								Ĕ
TRANSMITTAL	Title C	ORDL	ESS	BLINE	os			" '''
(Only for new nonprovisional applications under 37 CFR 1.53(b))	بالسي		_					.v.₩
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APPLICATION ELEMENTS								24
		DDRE	SS T		ommiss .O. Box		r for Patents	22154
See MPEP chapter 600 concerning utility patent application cont	ents.						A 22313-1450	ò
X Fee Transmittal Form (e.g., PTO/SB/17)	7.						, large table or	
(Submit an original, and a duplicate for fee processing)					am (Appl) uence Submission	
2. See 37 CFR 1.27.	8.	(if ap)	licable,	all nece	ssary)	O o q	JOHOO GUUNIAGOIGII	
3. X Specification [Total Pages 66]]	a.	Comp	uter Rea	dable Fo) mo	CRF)	
(preferred errangement set forth below) - Descriptive title of the invention	_	b. Sp	- ecification	on Sequ	ence Lis	ting o	n:	
 Cross Reference to Related Applications 			L.	CD-RO	M or CD	-R (2	copies); or ii.	aper
 Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, 		c.	Stater	nents ve	nifvina id	lentity	of above copies	
or a computer program listing appendix - Background of the Invention	_		<u></u>				ICATIONS PARTS	
 Brief Summary of the Invention Brief Description of the Drawings (if filed) 	19.						et & document(s))	
- Detailed Description - Claim(s)	1	님,	-		Statemer		Power of	
- Abstract of the Disclosure	10.				assigne		Attorney	
 X Drawing(s) (35 U.S.C. 113) [Total Sheets 40]]] [11.		nglish '	Franslati	on Docu	ment	(if applicable)	
5. Oath or Declaration [Total Sheets 3	7 1 12.			on Disc			Copies of IDS	
a. X Newly executed (original or copy)				nt (IDS) ary Ame	PTO-14	49	L Citations	
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b. (for continuation/divisional with Box 18 completed)	14.		Should .	be speci	fically ite	mize	d) .	
i. DELETION OF INVENTOR(S)	15.		ertified	Copy of priority is	Priority cisimed)	Docu	ment(s)	
Signed statement attached deleting inventor(s) named in the prior application,	16.		lonpubli	cation F	dequest o		35 U.S.C. 122 (b)(2)(B)(i)	
see 37 CFR 1.63(d)(2) and 1.33(b).	1		٠	t must a	ttach fon	mPt	O/SB/35 or its equivalent.	_
	17.	\Box	other:					
Application Data Sheet, See 37 CFR 1.76	1_		{					
 If a CONTINUING APPLICATION, check appropriate box, ar following the title, or in an Application Data Sheet under 37 CFR 	id supply the	requisite	informa	tion bel	ow and i	n the	first sentence of the speci	fication
Continuation Divisional X Continuation-l		of prior	annlica	tion No			10/393,328	
	Assigned		арриса		_		3634	
Prior application information: Examiner NOT YET For CONTINUATION or DIVISIONAL APPS only: The entire dis			noticati	Art Unit				d under
Box 5b, is considered a part of the disclosure of the accompanyle	na continuat	ion or div	isional	applicat	ion and i	s her	eby incorporated by refere	nce.
The incorporation can only be relied upon when a portion has be	en inadverte RESPONDI				mitted a	pplic	ation parts.	
19. CORF	RESPOND	ENCE A	DURE	55		_		
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Name								
Address								
Dity State					Zip Co	de		
Country Telep	phone					Fax		
Name (Print/Type) Michael J. Doherty		Registr	ation No	. (Attorn	ey/Agen	it)	40,592	
Signature Mulyal Wokart					Date	TA	ugust 5, 2003	
Signature Muchall Market	и				1 5000	17	-g-3. 0, 2000	- (



FEE TRANSMITTAL

Not Yet Assigned Application Number

for FY 2003		Filing Date			Concurrently Herewith					
Effective 01/01/2003, Patent fees are subject to annual revision.		First	Name	d Inve	ntor	Toralf H. Strand				
Energy of the transfer of the same subject to a most revision.		Examiner Name				Not Yet Assigned				
Applicant claims small entity status. See 37 CFR 1.27		Art Unit				3634				
TOTAL AMOUNT OF PAYMENT (\$) 1,524.00		Attorr	mey Docket No.			SPRINGS 3.0-056 CIP				
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)									
Check Credit Money Other None	3. ADDITIONAL FEES									
		3. ADDITIONAL PLES								
X Deposit Account	Lama Fallis, Carall Fallis									
Deposit Account 12-1095	Large Entity Small Entity Fee Fe									
Number	Code	(\$)	Code	(\$)						
Deposit Lerner, David, Littenberg,	1051	51 130 2051 65 Surcharge – late filing fee or oath								
Name Krumholz & Mentlik, LLP	1052					- late provisi	onal filing fee or cover	\vdash		
The Director is hereby authorized to: (check all that apply)		sheet.								
X Charge fee(s) indicated below X Credit any overpayments	1053	3 130 1053 130 Non-English				sh specificatio	ın	لـــــا		
Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	For filing a	request for ex	parte reexamination			
Charge fee(s) indicated below, except for the filling fee	1804	920*	1804	920*	Requesting Examiner		of SIR prior to			
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting Examiner a	g publication of	of SIR after			
FEE CALCULATION	1251	110	2251	55		for reply withi	n first month			
1. BASIC FILING FEE	1252	410	2252	205	Extension	for reply withi	n second month			
Large Entity Small Entity	1253	930	2253	465	Extension	for reply withi	n third month			
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension	for reply withi	n fourth month			
1001 750 2001 375 Utility filing fee 750.00	1255	1,970	2255	985	Extension	for reply withi	n fifth month			
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of A	ppeal				
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filling a brid					
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request fo	r oral hearing				
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	.,	Petition to	institute a put	olic use proceeding			
SUBTOTAL (1) (\$) 750.00	1452	110	2452	55		revive – unav				
	1453	1,300	2453			revive - uninte				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501		Utility issue	fee (or reiss	ue)	-		
Claims below Fee Paid	1502	470	2502	235	Design issu	ue fee				
Total Claims 49 -20** = 29 x 18.00 = 522.00	1503	630	2503	315	Plant issue	fee				
Independent 6 -3** = 3 x 84.00 = 252.00	1460	130	1460	130	Petitions to	the Commiss	sioner	L		
Multiple Dependent =	1807	50	1807				CFR 1.17(q)			
Large Entity Small Entity	1806	180	1806				on Disclosure Stmt			
Fee Fee Fee Fee Fee Description	8021	40	8021				ssignment per of properties)	1 7		
1202 18 2202 9 Claims in excess of 20	1809	750	2809	275	Filling a sub	mission after	final rejection			
1201 84 2201 42 Independent claims in excess of 3		750			(37 CFR 1. For each a	129(a)) dditional inver	ntion to be	\vdash		
1203 280 2203 140 Multiple dependent claim, if not paid	1810		2810	3/3	examined (37CFR 1.129(b))					
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801		Request for Continued Examination (RCE)					
1205 18 2205 9 ** Reissue claims in excess of 20	1802 900 1802 900 Request for expedited examination of a design application									
and over original patent	Other fee (specify)									
SUBTOTAL (2) (\$) 774.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)									
**or number previously paid, if greater; For Reissues, see above										
SUBMITTED BY	Complete (if applicable)									
Name (Print/Type) Michael J. Doharty	Registr	ation No y/Agent)	40.	,592		Telephone	(908) 518-6337			
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Michael J. Joherter Date August 5, 2003